Case Study

Algonquin College Department of Applied Research & Innovation

BACKGROUND

Algonquin College is a post-secondary academic institution focused on transforming hopes and dreams into lifelong success with the goal of being a global leader in personalized, digitally connected, experiential learning. Algonquin embarked on a strategic initiative to conduct laser scans of the entire campus to create a digital 'canvas' using Building Information Modeling (BIM) standards. The highly detailed nature of the scans is achieved through large data sets which needed to be organized, processed and shared with multiple stakeholders. The development required significant storage space for the raw scan data, combined & refined scans and for the applications that will use the data in different presentation forms including Virtual Reality.
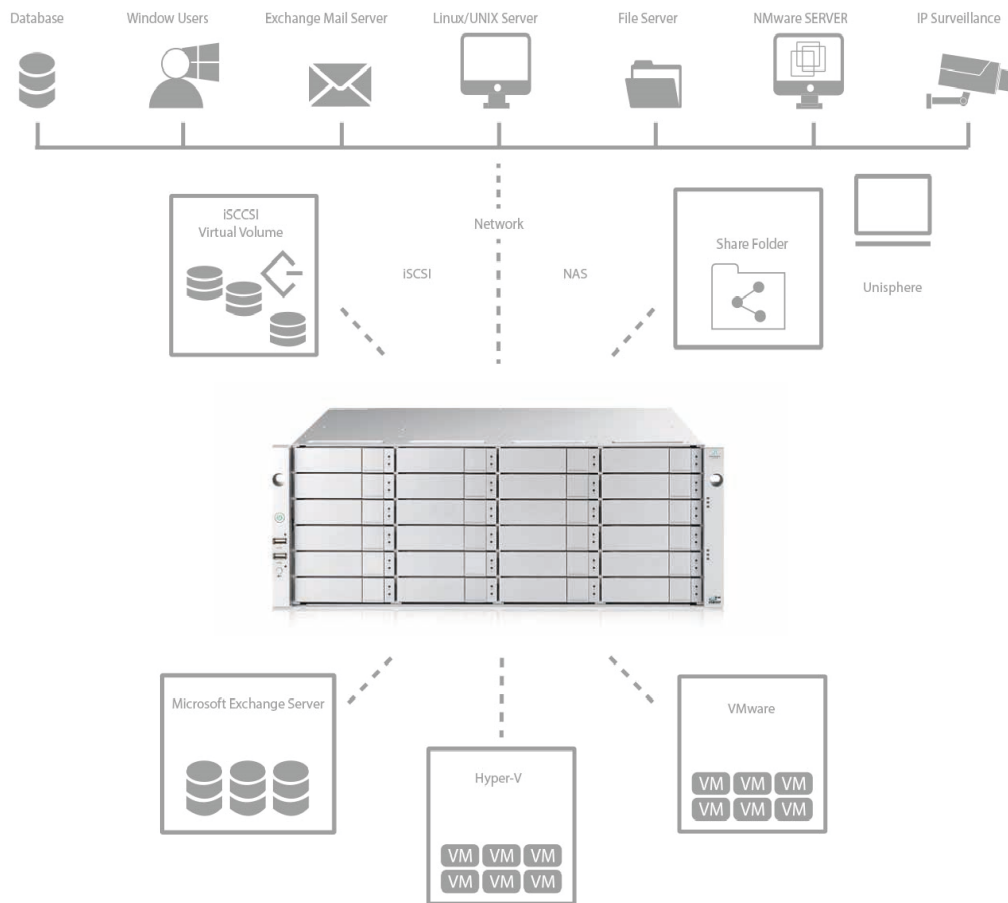
SOLUTION

Promise Technology's VTrak D5000 storage array was well aligned to serve Algonquin's needs leveraging block and file protocols. Algonquin used the VTrak D5000 storage array to store large laser scan data sets, aggregate the data sets together and store the combined scans on the array while integrating with existing server computers. VTrak D5000 series unified storage system delivers uncompromising scalability, flexibility and afforability for the mid-tier while providing simplicity for minimizing total cost ownership. VTrak D5000 is not only optimized for high bandwidth but delivers low latency which makes it perfect for just about any IT application running any mixed workload.

RESULTS & BUSINESS BENEFITS

• Cost-effective, comprehensive storage solution allowed for Algonquin to eliminate the need for multiple discrete storage devices, internal computer storage, external drives or handfuls of USB sticks that were shuttled around to combine the data

• VMware was a must. VTrak D5000 offers VMware certification which is a huge plus.

• Applied Research projects had excellent computational capability but limited to the storage space. VTrak D5000 resolved storage limitations and performance bottlenecks.

• Future proofing. Start small and have the ability to scale up.

D5800

VTRAK D5000 TESTIMONIALS

"The hardware is super easy to install, configure and setup is a breeze. The D5000 can easily scale up by adding more JBODs, from Terabytes to Petabytes in a single D5000 RAID head."
 - Sam Arseneau, CEO SupportMyMac

"The D5000 enabled and transformed our existing storage solution into a cost effective, highly expandable solution. It has enabled Algonquin College's Department of Applied Research & Innovation to augment and enhance our existing infrastructure and was easily integrable into our virtual environment. Its High Availability and multitude of Host Connectivity options allowed for reliable deployment with solid redundancy."
 - Nicholas Boudreault, Network Administrator, Algonquin College

"The Vtrak D5000 was the solution we needed to manage the large data sets that are part of our Digital College project. We're scanning our entire campus to create a digital canvas from this data for other applications including: Augmented Reality and Virtual Reality, building data overlays, and finding tools to find amenities and services. The Promise Technologies system has not only enabled us to support the myriad of enterprise-quality software applications but also offers the flexibility to accommodate our as-of-yet unknown future needs that will be borne out by the research we are currently conducting."
 -Alexander Yang, Project Manager, Algonquin College

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